

Layer (type)	Output Shape	Param #
input_1 (InputLayer)	(None, 1)	0
lambda_1 (Lambda)	(None, 512)	0
dense_1 (Dense)	(None, 128)	65664
dropout_1 (Dropout)	(None, 128)	0
dense_2 (Dense)	(None, 1)	129
Total params: 65,793		
Trainable params: 65,793		
Non-trainable params: 0		

Train on 210000 samples, validate on 34999 samples

Epoch 1/20  
210000/210000 [=====] - 379s 2ms/step - loss: 0.3357 - acc: 0.8523 - val\_loss: 0.3106 - val\_acc: 0.8660  
Epoch 2/20  
210000/210000 [=====] - 372s 2ms/step - loss: 0.3060 - acc: 0.8679 - val\_loss: 0.2947 - val\_acc: 0.8729  
Epoch 3/20  
210000/210000 [=====] - 372s 2ms/step - loss: 0.2925 - acc: 0.8752 - val\_loss: 0.2845 - val\_acc: 0.8781  
Epoch 4/20  
210000/210000 [=====] - 372s 2ms/step - loss: 0.2824 - acc: 0.8802 - val\_loss: 0.2828 - val\_acc: 0.8795  
Epoch 5/20  
210000/210000 [=====] - 372s 2ms/step - loss: 0.2720 - acc: 0.8860 - val\_loss: 0.2651 - val\_acc: 0.8893  
Epoch 6/20  
210000/210000 [=====] - 372s 2ms/step - loss: 0.2631 - acc: 0.8900 - val\_loss: 0.2553 - val\_acc: 0.8936  
Epoch 7/20  
210000/210000 [=====] - 375s 2ms/step - loss: 0.2541 - acc: 0.8950 - val\_loss: 0.2466 - val\_acc: 0.8987  
Epoch 8/20  
210000/210000 [=====] - 372s 2ms/step - loss: 0.2458 - acc: 0.8991 - val\_loss: 0.2413 - val\_acc: 0.9010  
Epoch 9/20  
210000/210000 [=====] - 370s 2ms/step - loss: 0.2372 - acc: 0.9023 - val\_loss: 0.2273 - val\_acc: 0.9063  
Epoch 10/20  
210000/210000 [=====] - 372s 2ms/step - loss: 0.2297 - acc: 0.9065 - val\_loss: 0.2196 - val\_acc: 0.9119  
Epoch 11/20  
210000/210000 [=====] - 377s 2ms/step - loss: 0.2226 - acc: 0.9092 - val\_loss: 0.2082 - val\_acc: 0.9171  
Epoch 12/20  
210000/210000 [=====] - 367s 2ms/step - loss: 0.2150 - acc: 0.9125 - val\_loss: 0.2033 - val\_acc: 0.9181  
Epoch 13/20  
210000/210000 [=====] - 369s 2ms/step - loss: 0.2088 - acc: 0.9155 - val\_loss: 0.2040 - val\_acc: 0.9182  
Epoch 14/20  
210000/210000 [=====] - 367s 2ms/step - loss: 0.2027 - acc: 0.9184 - val\_loss: 0.1893 - val\_acc: 0.9260  
Epoch 15/20  
210000/210000 [=====] - 371s 2ms/step - loss: 0.1951 - acc: 0.9224 - val\_loss: 0.1899 - val\_acc: 0.9236  
Epoch 16/20  
210000/210000 [=====] - 368s 2ms/step - loss: 0.1908 - acc: 0.9231 - val\_loss: 0.1754 - val\_acc: 0.9322  
Epoch 17/20  
210000/210000 [=====] - 370s 2ms/step - loss: 0.1847 - acc: 0.9265 - val\_loss: 0.1707 - val\_acc: 0.9348  
Epoch 18/20  
210000/210000 [=====] - 368s 2ms/step - loss: 0.1803 - acc: 0.9282 - val\_loss: 0.1633 - val\_acc: 0.9390  
Epoch 19/20  
210000/210000 [=====] - 371s 2ms/step - loss: 0.1742 - acc: 0.9310 - val\_loss: 0.1590 - val\_acc: 0.9413  
Epoch 20/20  
210000/210000 [=====] - 368s 2ms/step - loss: 0.1706 - acc: 0.9326 - val\_loss: 0.1566 - val\_acc: 0.9411  
105001/105001 [=====] - 149s 1ms/step

Test score: 0.15846143489722925

Test accuracy: 0.9401624746430987

